

STEREO MOC Status Report
Time Period: 2007:008 - 2007:014

STEREO Ahead (STA) Status:

1. No significant Ground System anomalies occurred during this reporting period.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On day 008 the High Gain Antenna was activated and the telemetry rate was increased to 720kbps.
- The Autonomy Rule Macro 70 was updated in RAM, EE1, and EE2 on day 009 to increase the timing of star tracker promotion to AAD mode. This change will prevent the double promotion which occurs each time the star tracker demotes to standby.
- On day 010 the HLVS settings were switched to the Mission Settings, changing only the voltage to 26.5V.

STEREO Behind (STB) Status:

1. No significant Ground System anomalies occurred during this reporting period, but one track had late commanding due to DSN transmitter problems:

- On day 014 station DSS-26 had problems establishing commanding due to transmitter problems. Commanding was established approximately 80 minutes late which allowed completion of all track objectives.

2. Behind spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On day 008 the A5+ maneuver was successfully executed with a delta V of 0.786 m/sec. This maneuver should give a lunar transit across the Sun in February for a SECCHI calibration opportunity.

- The Autonomy Rule Macro 70 was updated in RAM, EE1, and EE2 on day 009 to increase the timing of star tracker promotion to AAD mode. This change will prevent the double promotion which occurs each time the star tracker demotes to standby.
- On day 011 the SECCHI HI door was opened and first images were taken with HI-1 and HI-2. All indications are that the instrument is working as expected.
- G&C wheel speed avoidance logic testing also occurred on day 011 with preliminary analysis indicating that the wheel speed avoidance logic is working as expected.
- On day 012 a High Gain Antenna Calibration was executed successfully.
- On day 013 the SECCHI HI Stray Light Offpoint was successfully conducted.